EMEDD Frequently Asked Questions

Checklist of Items:

Hard Copy Form:

1. In many cases the values in the electronic version do not match the hard copy forms.
2. Sample numbers don't match the hard copy forms.
3. Rounding and/or truncation of significant digits are different in the electronic and hard copy forms.

Data Element Names:
The Data Element Names should be from the current version of EMEDD, version 1.2.

Dates:
The EMEDD Date format is actually a Date/Time format. The times need to be included with all of the dates.

Valid Values:
Check that fields that have EMEDD defined valid values and use values from the current list. The EMEDD web site (http://ersmo.inel.gov/edd/emedd.html) will contain the up-to-date lists of valid values. The Matrix_ID and Lab_Matrix_ID seem to have incorrect values the most often.

Sample Table:

1. Duplicate Records. Lab_Reporting_Batch and Lab_Sample_ID should provide a unique key for this table.
2. Original_Lab_Sample_ID: The Original_Lab_Sample_ID is required for the following sample types: blank spike, blank spike duplicate, matrix spike, and matrix spike duplicate. In the cases where there is not an original lab sample id (for example client sample) this data element can either be left blank or be the same as the lab sample id.

Analyses Table:

1. Duplicate Records: Lab_Reporting_Batch, Lab_Sample_ID, and Lab_Analysis_ID should provide a unique key for this table.
2. Each Unique Lab_Reporting_Batch and Lab_Sample_ID combination should have a related entry in the Sample table.
3. Analysis Type: If the dilution factor is > 1 the analysis type should be DL instead of PR.
4. Incorrect Client_Method_Ids. (Ex. organic method reported for and Inorganic data set.)

Results Table:

1. Duplicate Records: Lab_Reporting_Batch, Lab_Sample_ID, Lab_Analysis_ID, and Analyte_ID should provide a unique key for this table.
2. Each Unique Lab_Reporting_Batch, Lab_Sample_ID, and Lab_Analysis_ID combination should have a related entry in the Analyses table.
3. The Result field should contain the actual result from the sample analyses. It should not be populated with percent recovery or any other QC information. If the contract in place only requires a percent recovery and not an actual result value, this field should be left blank.
4. Lab Qualifiers ahould be appended together when multiple lab qualifiers exist. (Ex. Report UB, not just U or B)

QC Table:

1. Duplicate Records: Lab_Reporting_Batch, Lab_Sample_ID, Lab_Analysis_ID, and Analyte_ID should provide a unique key for this table.
2. Each Unique Lab_Reporting_Batch, Lab_Sample_ID, and Lab_Analysis_ID combination should have a related entry in the Results table, but in most cases not every entry in the Results table will

have an entry in the QC Table. Please do not put entries in the QC table containing only the key fields and no additional QC information.

Batch Table:

1. Duplicate Records: Batch_ID, Batch_Type, Lab_Reporting_Batch, Lab_Sample_ID, and Lab_Analysis_ID should provide a unique key for this table.
2. Batch table entries are missing. There should be a batch table entry for each preparation batch and TCLP extraction when appropriate. At a minimum an analysis batch should exist.
3. There is confusion about which Batch_Type and QC_Linkage valid values are appropriate for the batch. Please call or email us and ask if you are unsure.